

Colorado Department of Public Health and Environment

OPERATING PERMIT

ROCKY MOUNTAIN BOTTLE COMPANY

ISSUED OCTOBER 1, 2001 REVISED OCTOBER 6, 2004

AIR POLLUTION CONTROL DIVISION COLORADO OPERATING PERMIT

FACILITY NAME: Rocky Mountain OPERATING PERMIT NUMBER

Bottle Company

FACILITY ID: 0590008

ISSUE DATE: October 1, 2001 EXPIRATION DATE: October 1, 2006

MODIFICATIONS: See Appendix F of Permit

Issued in accordance with the provisions of the Colorado Air Pollution Prevention and Control Act, 25-7-101 et seq. and applicable rules and regulations.

95OPJE053

ISSUED TO: PLANT SITE LOCATION:

Coors Brewing Company 10619 W. 50th Avenue P.O. Box 4030 Wheat Ridge, CO 80033

Golden, CO 80401

INFORMATION RELIED UPON

Operating Permit Application Received: March 1, 1995

And Additional Information Received: June 24, 1997, January 21, 2004

Nature of Business: Glass production

Primary SIC: 3221

RESPONSIBLE OFFICIAL FACILITY CONTACT PERSON

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SUBMITTAL DEADLINES

Semi-Annual Monitoring Period: October 1 – March 31, April 1 – September 30

Semi-Annual Monitoring Report: May 1, 2002 & November 1, 2002 and subsequent years

Annual Compliance Period: Begins October 1 to September 30 Annual Compliance Certification: November 1, 2002 and subsequent years

Note that the Semi-Annual Monitoring reports and the Annual Compliance report must be received at the Division office by 5:00 p.m. on the due date. Postmarked dates will not be accepted for the purposes of determining the timely receipt of those reports.

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SECTION I - General Activities and Summary

1. Permitted Activities

1.1 The Rocky Mountain Bottle Company facility produces container glass at a maximum rate of 365,000 tons per year. The glass is produced from raw materials, such as sand, limestone and soda ash, as well as recycled glass known as cullet. The major processing steps consist of raw materials handling, melting, glass forming and container finishing. The plant equipment includes materials storage silos, screens and mixers, recycled glass crushers, melting furnaces, glass forming machines and container coating equipment. Assembly and printing of cardboard boxes for the containers also adds to the emissions from the facility.

The facility is located in Wheat Ridge, west of Denver, in Jefferson County. The plant is located within 100 kilometers of Rocky Mountain National Park and Eagle=s Nest National Wilderness Area..

The area in which the plant operates is classified as attainment/maintenance for particulate matter less than 10 microns (PM_{10}), ozone and carbon monoxide. Under that classification, all SIP-approved requirements for PM_{10} , VOC and CO will continue to apply in order to prevent backsliding under the provisions of Section 110(l) of the Federal Clean Air Act.

- 1.2 Until such time as this permit expires or is modified or revoked, the permittee is allowed to discharge air pollutants from this facility in accordance with the requirements, limitations, and conditions of this permit.
- This Operating Permit incorporates the applicable requirements contained in the underlying construction permits, and does not affect those applicable requirements, except as modified during review of the application or as modified subsequent to permit issuance using the modification procedures found in Regulation No. 3, Part C. These Part C procedures meet all applicable substantive New Source Review requirements of Part B. Any revisions made using the provisions of Regulation No. 3, Part C shall become new applicable requirements for purposes of this operating permit and shall survive reissuance. This Operating Permit incorporates the applicable requirements (except as noted in Section II) from the following Colorado Construction Permit(s): 92JE129-1, 92JE129-4, 92JE129-6, 92JE129-7, 92JE129-9, 92JE129-10, and 92JE129-12.
- 1.4 All conditions in this permit are enforceable by US Environmental Protection Agency, Colorado Air Pollution Control Division (hereinafter Division) and its agents, and citizens unless otherwise specified. **State-only enforceable conditions are:**

Permit Condition Number(s): Section IV - Conditions 3(g), 14 and 18 (as noted).

1.5 All information gathered pursuant to the requirements of this permit is subject to the Recordkeeping and Reporting requirements listed under Condition 22 of the General Conditions in Section IV of this permit.

2. Alternative Operating Scenarios

2.1 The permittee shall be allowed to make the following changes to its method of operation without applying for a revision of this permit.

2.1.1 No separate operating scenarios have been specified.

3. Prevention Of Significant Deterioration (PSD)

- 3.1 This facility is a major stationary source (potential to emit of any criteria pollutant > 250 tpy) for the purposes of Prevention of Significant Deterioration (PSD) requirements (Colorado Regulation 3, Part B, Section IV.D.3). Future modifications to this facility which are in excess of significance levels as defined in Colorado Regulation 3, Part A, Section I.B.58 or a modification which is major by itself will result in the application of the PSD review requirements.
- 3.2 There are no other Operating Permits associated with this facility for purposes of determining applicability of Prevention of Significant Deterioration regulations.

4. Accidental Release Prevention Program (112(r))

4.1 Based on the information provided by the applicant, this facility is not subject to the provisions of the Accidental Release Prevention Program (Section 112(r) of the Federal Clean Air Act).

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5. Summary of Emission Units

5.1 The emissions units regulated by this permit are the following:

Emission Unit Number	AIRS Stack Number	Facility Identifier	Description	Pollution Control Device
P001	001	S001	KTG Glass Melting Furnaces (3), Natural Gas Fired with Electric Boost and Propane Backup; Furnace C Uses Natural Gas Over-fire and Oxygen	Electrostatic Precipitator
P008	008	S008	Batch Plant, Including Sand Elevator, Surge Bin Sand Hopper, Storage Silos (15), Batch Conveying, Transfer and Mixing, and Microingredient Weighing	Baghouses
P010	010	S010	New Cullet Processing Plant, Including Cullet Crushing, Screening, Handling and Storage	Baghouses
P011	011	S011	Wash Tanks (2)	None
P013	013	S013	Ink Jet Printers for Box Marking (7)	None
P014	014	S014	Hot End Coating Spray Application Systems (7)	None
P016	016	S016	Individual Section Bottle Making Machines	None

SECTION II - Specific Permit Terms

1. P001 - KTG Glass Melting Furnaces (3)

Parameter	Permit Condition	Limitat (To Short Term	ions otal) Long Term	Compliance Emission Factor	Monit Method	oring Interval
NOx	1.1	96.8 lbs/hr	424.0 TPY	N/A	Continuous	28 Day Period
SO_2		82.65 lbs/hr	362.0 TPY		Emission Monitors	
СО	1.2	N/A	60.8 TPY	60.8/365,000 tons CO/ton of glass produced	Recordkeeping and Calculation	
VOC		N/A	38.4 TPY	38.4/365,000 tons VOC/ ton of glass produced		
PM_{10}		8.33 lbs/hr	36.5 TPY	0.1 tons per 1,000 tons of glass produced		
Particulate	1.2, 1.3, 1.4	0.1 g/kg of glass produced	36.5 TPY	0.1 tons per 1,000 tons of glass produced	Recordkeeping, Calculation, Stack Test (See Cond. 1.3); NSPS CC ' 60.292 ' 60.296	28 Day Period; Two Times
Glass Production	1.5	1,000 tons/day	365,000 TPY	N/A	Recordkeeping	28 Day Period
Opacity	1.6	Less than or equal to 20% (or 30% as noted)		N/A	Observation Method 9	Weekly As Required
Control Equipment Operation	1.7	Manufacturer=s Specifications and Good Maintenance and Operating Procedures		N/A	Maintenance and Recordkeeping	As Needed

1.1 Nitrogen Oxide and Sulfur Dioxide emissions shall not exceed the limitations stated above (Colorado Construction Permit 92JE129-1). A continuous monitoring system shall be installed, calibrated, maintained, and operated for the measurement of NOx and SO₂ emissions discharged into the atmosphere from the combined furnace stack. The hourly emission limits are based on an average of emissions for the hours of operation during each 28 day period of operation.

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1.2 Carbon Monoxide, VOC, Particulate and PM_{10} emissions shall not exceed the limitations stated above (Colorado Construction Permit 92JE129-1). Emissions of each pollutant for the 28 day period shall be calculated using the listed emission factors (based on Construction Permit limits) in the following equation:

 $lb/period = (EF) \ H (Glass \ Production/period)$

Emissions shall be calculated by the end of each subsequent 28 day period. A thirteen-period rolling total of emissions shall be maintained for demonstration of compliance with annual limitations. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

Compliance with the hourly emission limit for each pollutant shall be demonstrated by dividing the calculated emissions for the previous 28 day period by the number of hours of operation in the previous period to obtain an hourly average.

1.3 A compliance test shall be conducted at the beginning of the permit term to measure the emission rates of particulate using EPA approved methods or other methods approved by the Division. An additional compliance test shall be conducted near the end of the permit term. Any stack tests conducted to show compliance with an annual emission limit shall have the results projected to the annual averaging time by multiplying the test results by the allowable number of operating hours for that averaging time. If there are no restrictions, the default multiplier shall be 8,760 hours per year.

The compliance testing shall be completed and copies of the results provided to the Division within 365 calendar days of the issuance of this Operating Permit and within 365 calendar days prior to the expiration of this Operating Permit. A copy of the test results shall be provided to the Division within 60 calendar days of the completion of the tests. The test protocol must be in accordance with the requirements of the Air Pollution Control Division Compliance Test Manual and shall be submitted to the Division for review and approval at least thirty (30) days prior to testing. No test shall be conducted without prior approval from the Division.

- 1.4 These furnaces are subject to NSPS Subpart CC Standards of Performance for Glass Manufacturing Plants. Emissions of particulate shall be limited to the short term standard listed above as described in NSPS Subpart CC '60.292 for furnaces without modified processes. Compliance with this standard will be demonstrated by performance of the stack tests described in Condition 1.3.
- 1.5 Glass production shall not exceed the limitation stated above (Colorado Construction Permit 92JE129-1). The 28 day period throughput shall be determined and compliance evaluated by the end of the next 28 day period. A thirteen-period rolling total of production shall be maintained for demonstration of compliance with the annual limitation. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

Compliance with the daily production limit shall be demonstrated by dividing the measured production for the previous 28 day period by the number of days of operation in the previous period to obtain a daily average.

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1.6 Opacity of emissions from this source shall not exceed 20% (Colorado Regulation No. 1, Section II.A.1). The furnace exhaust to the atmosphere shall be inspected for visible emissions once per week during operation. The presence of any visible emissions shall be recorded. If visible emissions are noted for two (2) successive observations, a Method 9 observation shall be performed during the next day of operation.

All opacity observations shall be performed by an observer with a current and valid certification. A clear and readable copy of the observer-s certificate shall be retained with the copies of the observations and made available to the Division upon request. Copies of any opacity observations made in accordance with the requirements of this permit that exceed the applicable standard shall be included with the next required report.

If any of the opacity observations exceed the applicable standard, additional observations must be performed. Consecutive observations shall be performed until two consecutive observations are in compliance with the standard. The first additional observation, and each successive observation shall be performed no later than 90 minutes after the time of the completion of the previous observation.

Subject to the provisions of C.R.S. 25-7-123.1 and in the absence of credible evidence to the contrary, exceedance of the limit shall be considered to exist from the time a Method 9 reading is taken that shows an exceedance of the opacity limit until a Method 9 reading is taken that shows the opacity is less than the opacity limit.

Opacity of emissions during fire building, cleaning of fire boxes, soot blowing, start-up, process modifications or adjustment of control equipment shall not exceed 30% for a period or periods aggregating more than six (6) consecutive minutes in any sixty (60) consecutive minutes (Colorado Regulation No. 1, II.A.4).

1.7 This source shall be equipped with control equipment capable of reducing uncontrolled emissions of particulate to the levels listed above. The furnaces shall not be operated if the control equipment is not in operation, except for the annual routine maintenance allowance of up to 6 days as described in NSPS Subpart CC, '60.292(e). During such periods of routine maintenance this source is not required to comply with the short term particulate emission limitations listed above, although compliance with all other emission and opacity limitations is required.

The control equipment shall be operated and maintained in accordance with manufacturers recommendations and good operating procedures to minimize emissions and ensure compliance with the particulate and opacity standards. In the event the manufacturer's recommendations are no longer available or the manufacturer's recommendation exceeds any annual maintenance condition in the permit, the permittee shall be allowed to use other maintenance procedures. Records of control equipment maintenance shall be maintained and made available to the Division upon request.

2. P008 - Batch Plant

Parameter	Permit Condition	Limi Short Term	Limitations Short Term Long Term		Monit Method	oring Interval
PM ₁₀	2.1	N/A	7.84 TPY	7.84/650,000 tons PM ₁₀ /ton of production	Recordkeeping and Calculation	28 Day Period
Particulate	2.2	17.31(P) ^{0.16}	7.84 TPY	7.84/650,000 tons PM ₁₀ /ton of production	Recordkeeping and Calculation	28 Day Period
Batch Production	2.3	N/A	650,000 TPY (less cullet)	N/A	Recordkeeping	28 Day Period
Opacity	2.4	Less than or equal to 20% (or 30% as noted)		N/A	Observation Method 9	Weekly As Required
Baghouse Operation	2.5	Manufacturer-s Specifications and Good Maintenance and Operating Procedures		N/A	Maintenance and Recordkeeping	As Needed

2.1 Particulate and PM_{10} emissions shall not exceed the limitations stated above (Construction Permit 92JE129-4). Emissions of each pollutant for the 28 day period shall be calculated using the listed emission factors (based on Construction Permit limits) in the following equation:

tons/period =
$$(EF) H (Batch Production/period)$$

Emissions shall be calculated by the end of each subsequent 28 day period. A thirteen-period rolling total of emissions shall be maintained for demonstration of compliance with annual limitations. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

- 2.2 Particulate emissions shall not exceed the limit, in pounds per hour, described by the equation above, where P is the process weight rate in tons per hour (Colorado Regulation No. 1, Section III.C.1). Because the annual emission limit is much more stringent than the limit derived from this equation, compliance with the process weight rate is presumed if the annual emission limit is not exceeded.
- 2.3 Batch production shall not exceed the limitation stated above (Colorado Construction Permit 92JE129-4). The 28 day period throughput shall be determined and compliance evaluated by the end of the next 28 day period. A thirteen-period rolling total of production shall be maintained for demonstration of compliance with the annual limitation. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

2.4 Opacity of emissions from this source shall not exceed 20% (Colorado Regulation No. 1, Section II.A.1). The baghouse exhaust to the atmosphere shall be inspected for visible emissions weekly during operation. The presence of any visible emissions shall be recorded. If visible emissions are noted for two (2) successive observations, a Method 9 observation shall be performed during the next day of operation.

All opacity observations shall be performed by an observer with a current and valid certification. A clear and readable copy of the observer-s certificate shall be retained with the copies of the observations and made available to the Division upon request. Copies of any opacity observations made in accordance with the requirements of this permit that exceed the applicable standard shall be included with the next required report.

If any of the opacity observations exceed the applicable standard, additional observations must be performed. Consecutive observations shall be performed until two consecutive observations are in compliance with the standard. The first additional observation, and each successive observation shall be performed no later than 90 minutes after the time of the completion of the previous observation.

Subject to the provisions of C.R.S. 25-7-123.1 and in the absence of credible evidence to the contrary, exceedance of the limit shall be considered to exist from the time a Method 9 reading is taken that shows an exceedance of the opacity limit until a Method 9 reading is taken that shows the opacity is less than the opacity limit.

Opacity of emissions during fire building, cleaning of fire boxes, soot blowing, start-up, process modifications or adjustment of control equipment shall not exceed 30% for a period or periods aggregating more than six (6) consecutive minutes in any sixty (60) consecutive minutes (Colorado Regulation No. 1, II.A.4).

2.5 This source shall be equipped with baghouses capable of reducing uncontrolled emissions of PM_{10} by at least 99%. The equipment being controlled by a baghouse shall not be operated if the baghouse is not in operation. The baghouses shall be operated and maintained in accordance with manufacturer-s recommendations and good operating procedures to minimize emissions and ensure compliance with the particulate and opacity standards. In the event the manufacturer's recommendations are no longer available or the manufacturer's recommendation exceeds any annual maintenance condition in the permit, the permittee shall be allowed to use other maintenance procedures. Records of baghouse maintenance shall be maintained and made available to the Division upon request.

3. P010 - Cullet Processing Plant

Parameter	Permit Condition	Limit Short Term	ations Long Term	Compliance Emission Factor	Monit Method	oring Interval
PM_{10}	3.1	N/A	1.6 TPY	1.6/306,600 tons PM ₁₀ /ton of cullet processed	Recordkeeping and Calculation	Monthly
Particulate	3.1, 3.2	17.31(P) ^{0.16}	4.8 TPY	4.8/306,600 tons PM ₁₀ /ton of cullet processed	Recordkeeping and Calculation	Monthly
Throughput	3.3	N/A	306,600 TPY	N/A	Recordkeeping	Monthly
Opacity	3.4	Less than or equal to 20% (or 30% as noted)		N/A	Observation Method 9	Weekly As Needed
Baghouse Operation	3.5	Manufacturer≈s Specifications and Good Maintenance and Operating Procedures		N/A	Maintenance and Recordkeeping	As Needed

3.1 Particulate and PM_{10} emissions shall not exceed the limitations stated above (Construction Permit 92JE129-6). Emissions of each pollutant for the 28 day period shall be calculated using the listed emission factors (based on Construction Permit limits) in the following equation:

$$lb/period = (EF) H (Plant Throughput/period)$$

Emissions shall be calculated by the end of each subsequent 28 day period. A thirteen-period rolling total of emissions shall be maintained for demonstration of compliance with annual limitations. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

- 3.2 Particulate emissions shall not exceed the limit, in pounds per hour, described by the equation above, where P is the process weight rate in tons per hour (Colorado Regulation No. 1, Section III.C.1). Because the annual emission limit is much more stringent than the limit derived from this equation, compliance with the process weight rate is presumed if the annual emission limit is not exceeded.
- 3.3 Plant throughput shall not exceed the limitation stated above (Colorado Construction Permit 92JE129-6). The 28 day period throughput shall be determined and compliance evaluated by the end of the next 28 day period. A thirteen-period rolling total of throughput shall be maintained for demonstration of compliance with the annual limitation. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

3.4 Opacity of emissions from this source shall not exceed 20% (Colorado Regulation No. 1, Section II.A.1). The baghouse exhaust to the atmosphere shall be inspected for visible emissions weekly during operation. The presence of any visible emissions shall be recorded. If visible emissions are noted for two (2) successive observations, a Method 9 observation shall be performed during the next day of operation.

All opacity observations shall be performed by an observer with a current and valid certification. A clear and readable copy of the observer-s certificate shall be retained with the copies of the observations and made available to the Division upon request. Copies of any opacity observations made in accordance with the requirements of this permit that exceed the applicable standard shall be included with the next required report.

If any of the opacity observations exceed the applicable standard, additional observations must be performed. Consecutive observations shall be performed until two consecutive observations are in compliance with the standard. The first additional observation, and each successive observation shall be performed no later than 90 minutes after the time of the completion of the previous observation.

Subject to the provisions of C.R.S. 25-7-123.1 and in the absence of credible evidence to the contrary, exceedance of the limit shall be considered to exist from the time a Method 9 reading is taken that shows an exceedance of the opacity limit until a Method 9 reading is taken that shows the opacity is less than the opacity limit.

Opacity of emissions during fire building, cleaning of fire boxes, soot blowing, start-up, process modifications or adjustment of control equipment shall not exceed 30% for a period or periods aggregating more than six (6) consecutive minutes in any sixty (60) consecutive minutes (Colorado Regulation No. 1, II.A.4).

3.5 This source shall be equipped with a baghouse capable of reducing uncontrolled emissions of total suspended particulate and PM_{10} by at least 99%. The equipment being controlled by the baghouse shall not be operated if the baghouse is not in operation. The baghouse shall be operated and maintained in accordance with manufacturer-s recommendations and good operating procedures to minimize emissions and ensure compliance with the particulate and opacity standards. In the event the manufacturer's recommendations are no longer available or the manufacturer's recommendation exceeds any annual maintenance condition in the permit, the permittee shall be allowed to use other maintenance procedures. Records of baghouse maintenance shall be maintained and made available to the Division upon request.

4. **P011 - Wash Tanks (2)**

Parameter	Permit Condition	Limitations (Total) Short Term Long Term		Compliance Emission Factor	Monitoring Method Interval	
VOC	4.1	N/A	2.97 TPY	Solvent VOC Content	Recordkeeping and Calculation	28 Day Period
Solvent Use	4.2	N/A	900 gallons per year	N/A	Recordkeeping	28 Day Period
Fugitive Emissions	4.3	As Described		N/A	Recordkeeping	Continual
Work Practices	4.4	As Described		N/A	Regulation No. 7, Part X.B	Continual

4.1 VOC emissions shall not exceed the limitations stated above (Construction Permit 92JE129-7). Emissions of this pollutant for the 28 day period shall be calculated using the amount of solvent consumed and the solvent VOC content in the following equation:

lbs VOC/period = (Solvent VOC Content) H (Solvent Consumption/period)

Emissions shall be calculated by the end of each subsequent 28 day period. A thirteen-period rolling total of emissions shall be maintained for demonstration of compliance with the annual limitation. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

- 4.2 Solvent consumption shall not exceed the limitations stated above (Colorado Construction Permit 92JE129-7). The 28 day period consumption shall be determined and compliance evaluated by the end of the next 28 day period. A thirteen-period rolling total of consumption shall be maintained for demonstration of compliance with the annual limitation. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.
- 4.3 Control techniques and work practices shall be implemented at all times to reduce VOC emissions from fugitive sources (Colorado Construction Permit 92JE129-7). Control techniques and work practices include, but are not limited to:
 - tight fitting covers for open tanks;
 - covered containers for solvent wiping cloths;
 - proper disposal of dirty clean-up solvent.

Emissions of organic material released during clean-up operations, disposal, and other fugitive emissions shall be included when determining total emissions, unless documentation is maintained showing that the VOC=s are collected and disposed of in a manner that prevents evaporation to the atmosphere.

- 4.4 This source is subject to the requirements of Regulation to Control Emissions of Volatile Organic Compounds, Regulation Number 7, Part X, Subpart B (Colorado Construction Permit 92JE129-7). Requirements include (but are not limited to) the following:
 - 4.4.1 All cold-cleaners shall have a properly fitting cover.
 - 4.4.2 All cold-cleaners shall have a drainage facility that captures the drained liquid solvent from the cleaned parts.
 - 4.4.3 A permanent, clearly visible sign shall be mounted on or next to the cold-cleaner. The sign shall list the operating requirements.
 - 4.4.4 Solvent spray apparatus shall not have a splashing, fine atomizing, or shower type action. Solvent spray shall be used at a pressure that does not cause excessive splashing.
 - 4.4.5 The cold-cleaner cover shall be closed whenever parts are not being handled within the cleaner confines.
 - 4.4.6 Cleaned parts shall be drained for at least 15 seconds and/or until dripping ceases. Any pools of solvent shall be tipped out of the clean part back into the tank.

5. P013 - Ink Jet Printers for Box Marking (7)

Parameter	Permit Condition	Limitations (Total) Short Term Long Term		Compliance Emission Factor	Monit Method	oring Interval
VOC	5.1	N/A	1.8 TPY	Ink and cleaner VOC content	Recordkeeping and Calculation	28 Day Period
Ink and Cleaner Use	5.2	N/A	2,000 liters per year	N/A	Recordkeeping	28 Day Period
Fugitive Emissions	5.3	As Described		N/A	Recordkeeping	Continual

5.1 VOC emissions shall not exceed the limitations stated above (Construction Permit 92JE129-9). Emissions of this pollutant for the 28 day period shall be calculated using the ink and cleaner VOC content (based on Construction Permit limits) in the following equation:

Tons VOC/period = (Ink and Cleaner VOC Content) H (Ink and Cleaner Consumption)/2000

Emissions shall be calculated by the end of each subsequent 28 day period. A thirteen-period rolling total of emissions shall be maintained for demonstration of compliance with the annual limitation. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

- 5.2 Ink and cleaner consumption shall not exceed the limitations stated above (Colorado Construction Permit 92JE129-9). The 28 day period consumption shall be determined and compliance evaluated by the end of the next 28 day period. A thirteen-period rolling total of consumption shall be maintained for demonstration of compliance with the annual limitation. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.
- 5.3 Control techniques and work practices shall be implemented at all times to reduce VOC emissions from fugitive sources. Control techniques and work practices include, but are not limited to:
 - tight fitting covers for open tanks;
 - covered containers for solvent wiping cloths;
 - proper disposal of dirty clean-up solvent.

Emissions of organic material released during clean-up operations, disposal, and other fugitive emissions shall be included when determining total emissions, unless documentation is maintained showing that the VOC=s are collected and disposed of in a manner that prevents evaporation to the atmosphere.

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6. P014 - Hot End Coating Spray Application Systems (7)

Parameter	Permit Condition	Limitations (Total) Short Term Long Term		Compliance Emission Factor	Monitoring Method Interval	
VOC	6.1	N/A	16.9 TPY	0.352 tons per 1,000 lbs of coating consumed	Recordkeeping and Calculation	28 Day Period
Coating Consumption	6.2	N/A	48,000 pounds of monobutyl- tintrichloride per year	N/A	Recordkeeping	28 Day Period
Fugitive Emissions	6.3	As described		N/A	Recordkeeping	Continual

6.1 VOC emissions shall not exceed the limitations stated above (Construction Permit 92JE129-10). Emissions of this pollutant for the 28 day period shall be calculated using the listed emission factors (based on Construction Permit limits) in the following equation:

tons/period = (EF) H (Coating Consumption/period)

Emissions shall be calculated by the end of each subsequent 28 day period. A thirteen-period rolling total of emissions shall be maintained for demonstration of compliance with the annual limitation. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

- 6.2 Coating consumption shall not exceed the limitations stated above (Colorado Construction Permit 92JE129-10). The 28 day period consumption shall be determined and compliance evaluated by the end of the next 28 day period. A thirteen-period rolling total of consumption shall be maintained for demonstration of compliance with the annual limitation. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.
- 6.3 Control techniques and work practices shall be implemented at all times to reduce VOC emissions from fugitive sources. Control techniques and work practices include, but are not limited to:
 - tight fitting covers for open tanks;
 - covered containers for solvent wiping cloths;
 - proper disposal of dirty clean-up solvent.

Emissions of organic material released during clean-up operations, disposal, and other fugitive emissions shall be included when determining total emissions, unless documentation is maintained showing that the VOC=s are collected and disposed of in a manner that prevents evaporation to the atmosphere.

7. P016 - Individual Section (IS) Bottle Making Machines (8)

Parameter	Permit Condition		Limitations (Total) Short Term Long Term		Monit Method	oring Interval
PM ₁₀	7.1	N/A	1.3 TPY	0.02 tons per ton of oil consumed	Recordkeeping and Calculation	28 Day Period
Particulate	7.1, 7.2	17.31(P) ^{0.16}	18.2 TPY	0.28 tons per ton of oil consumed		
SO_2	7.1	N/A	6.8 TPY	0.105 tons per ton of oil consumed		
VOC	7.1	N/A	1.3 TPY	0.02 tons per ton of oil consumed		
Opacity	7.3		Less than or equal to 20% (or 30% as noted)		Visual Observation	Annual Certification
Oil Consumption	7.4	N/A	65.0 tons of light petroleum oils (with elemental sulfur and carbon in suspension) per year	N/A	Recordkeeping	28 Day Period

7.1 Particulate, PM₁₀, Sulfur Dioxide and VOC emissions shall not exceed the limitations stated above (Construction Permit 92JE129-12). Emissions of each pollutant for the 28 day period, except VOC, shall be calculated using the listed emission factors (based on Construction Permit limits) in the following equation:

VOC emissions shall be calculated by totaling the emissions for each oil used according to the following equation:

Tons VOC/period =
$$\sum_{i=1}^{n}$$
 (Oil_i VOC content) \forall (Oil_i Consumption/period)

Emissions shall be calculated by the end of each subsequent 28 day period. A thirteen-period rolling total of emissions shall be maintained for demonstration of compliance with annual limitations. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

- 7.2 Particulate emissions shall not exceed the limit, in pounds per hour, described by the equation above, where P is the process weight rate in tons per hour (Colorado Regulation No. 1, Section III.C.1). Because the annual emission limit is much more stringent than the limit derived from this equation, compliance with the process weight rate is presumed if the annual emission limit is not exceeded.
- 7.3 Opacity of emissions from these machines shall not exceed 20% (Colorado Regulation No. 1, Section II.A.1). Visual observations shall be made at least once during each 28 day period to ensure compliance with the opacity standard.

Opacity of emissions during fire building, cleaning of fire boxes, soot blowing, start-up, process modifications or adjustment of control equipment shall not exceed 30% for a period or periods aggregating more than six (6) consecutive minutes in any sixty (60) consecutive minutes (Colorado Regulation No. 1, II.A.4).

7.4 Oil consumption shall not exceed the limitations stated above (Colorado Construction Permit 92JE129-12). The 28 day period consumption shall be determined and compliance evaluated by the end of the next 28 day period. A thirteen-period rolling total of consumption shall be maintained for demonstration of compliance with the annual limitation. Each period a new thirteen period total shall be calculated using the previous thirteen periods data.

SECTION III - Permit Shield

Regulation No. 3, 5 CCR 1001-5, Part A, 'I.B.44; Part C, ''V.C.1.b. & D., XIII.B.; ''25-7-111(2)(I), 25-7-114.4(3)(a), C.R.S.

1. Specific Non-Applicable Requirements

Based upon the information available to the Division and supplied by the applicant, the following parameters and requirements have been specifically identified as non-applicable to the facility to which this permit has been issued. This shield does not protect the source from any violations that occurred prior to or at the time of permit issuance. In addition, this shield does not protect the source from any violations that occur as a result of any modification or reconstruction on which construction commenced prior to permit issuance.

Emission Unit	Regulation	Description	Justification
Sourcewide	All Requirements of 1:II.B.	Diesel Powered Locomotives	Source does not own or operate diesel powered locomotives.
Cullet Processing (Basement Crusher) P200; Furnaces 1, 2, and 3 B300	1:III.C.1.b	Manufacturing Processes PM Limit	Manufacturing process has a process weight rate which is not greater than or equal to 30 ton/hr.
Sourcewide	1.III.D.1.a(i)	Existing Source Fugitive PM Control	Fugitive particulate sources were permitted in approximately 1994, which is not on or before May 30, 1982.
Cullet Processing (Original Plant) P200	1:III.D.1.b	New Source Fugitive PM Control	Fugitive particulate source was constructed prior to May 30, 1982.
Sourcewide	All Requirements of 1:IV.	New and Existing Source Continuous Emission Monitoring Requirements	Source does not include a fossil fuel-fired steam generator, sulfuric acid plant, or fluid bed catalytic cracking unit.
Batch Plant P100; Cullet Processing P200	1:VI	SO ₂ Limits	Emission unit is not a source of SO ₂ .
Furnaces 1, 2, and 3 B300: IS Bottle Making Machines F400	All Requirements of 1:VI.A	Existing Source SO ₂ Limits	Emission units was modified after August 11, 1977
Sourcewide	All Requirements of 1:VI.A.3.b. 1:VI.E.1. 1:VI.E.2.	Existing Oil-Fired Operation SO ₂ Limits	Source does not include an oil-fired operation.
Sourcewide	All Requirements of 1:VI.B.4.b. 1:VI.E.1. 1:VI.E.2.	New Oil-Fired Operation SO ₂ Limits	Source does not include an oil-fired operation.
Sourcewide	All Requirements of 1:VIII.	Stationary Source Backup Fuel Restrictions	Source does not use oil as backup fuel for natural gas.

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Sourcewide Signature Source Sou	Emission Unit	Regulation	Description	Justification
Sourcewide SC:III.B.4. Phase II Acid Rain Permit Requirements Requirements Phase II acid rain permit requirements promulgated in 40 CFR 62. A60.7(a) Phase II acid rain permit requirements promulgated in 40 CFR 62. A60.7(a) Phase II acid rain permit requirements promulgated in 40 CFR 60. A60.7(a) Phase II acid rain permit requirements Phase II acid rain permit requirements promulgated in 40 CFR 60. A60.7(a) Phase II acid rain permit requirements promulgated in 40 CFR 60. A60.7(a) Phase II acid rain permit requirements promulgated in 40 CFR 60. A60.7(a) Phase II acid rain permit requirements promulgated in 40 CFR 60. A60.7(a) Phase II acid rain permit requirements promulgated in 40 CFR 60. A60.7(a) Phase II acid rain permit requirements promulgated in 40 CFR 60. A60.7(a) Phase II acid rain permit requirements promulgated in 40 CFR 60. A60.7(a) Phase II aci	Sourcewide	3B:XX.D.2.		
Requirements Acid Rain Permit requirements.				
Sourcewide Scill F. Acid Rain Permit Applications Acid Rain Permit Applications Applications Acid Rain Permit Acid Rain Ac	Sourcewide	3C:III.B.4.		Source is not subject to the Phase II acid rain
Maplications requirements promulgated in 40 CFR 72.				
Hot End Coating P500; GA:A.60.1 through 60.17 and 40 CFR 60.1 through 60.17 and 40 CFR 60.2 (Green's Performance of A.C. A.60.7(a) (S) and 40 CFR 60.2 (Green's Performance of A.C. A.60.7(a) (S) and 40 CFR 60.2 (Green's Performance of A.C. A.60.7(a) (S) and 40 CFR 60.2 (Green's Performance of A.C. A.60.7(a) (S) and 40 CFR 60.2 (Green's Performance of A.C. A.60.7(a) (S) and 40 CFR 60.2 (Green's Performance of A.C. A.60.7(a) (S) and 40 CFR 60.2 (Green's Procedures	Sourcewide	3C:III.F.	Acid Rain Permit	
Ink Let Box Marking F600: 1S Bottle Making Machines F400 Sourcewide 6A:A.60.7(a)(5) and 40 CFR 60:A.60.7(a) (5) Sourcewide except Batch Plant and 40 CFR 60:A.60.7(a) (6) Sourcewide 6A:A.60.7(a)(6) and 40 CFR 60:A.60.7(a) (6) Sourcewide 6A:A.60.7(a)(7) and 40 CFR 60:A.60.7(a) (7) Sourcewide 6A:A.60.7(a)(7) and 40 CFR 60:A.60.7(a) (7) Sourcewide 6A:A.60.7(a) (7) Sourcewide All Requirements of 6A:A.60.11(a) and 40 CFR 60:A.60.11(b) 1) Sourcewide All Requirements of 6A:A.60.13 and 40 CFR 60:A.60.13 Sourcewide All Requirements of 6A:A.60.13 and 40 CFR 60:A.60.10 Through 60.113 and 40 CFR 60:K.60.110 Through 60.113 and 40 CFR 60:K.60.110 Through 60.117 and 40 CFR 60:K.60.011 On Through 60.117 and 40 CFR 60:K.60.011				
F600: S Bottle Making Machines F400 Sourcewide			General Provisions	Emission unit is not an affected facility
Sourcewide 6A:A.60.7(a)(5) and 40 CFR 60:A.60.7(a) (5)				
Sourcewide 6A:A.6.0.7(a)(5) and 40 CFR 60:A.60.7(a) (5) and 40 CFR 60:A.60.7(a) (5) and 40 CFR 60:A.60.7(a) (5) and 40 CFR 60:A.60.7(a) (6) and 40 CFR 60:A.60.7(a) (7) and 40 CFR 60:A.60.7(a) and 40 CFR 60:A.60.7(a) (7) and 40		60.1 through 60.17		
Sourcewide				
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Sourcewide except Batch Plant and Cullet Processing All CFR 60:A.60.7(a) (6)	Sourcewide		Notification	
Sourcewide except Batch Plant and 40 CFR 60:A.60.7(a) (6) and 40 CFR 60:A.60.7(a) (6) Sourcewide GA:A.60.7(a) (7) and 40 CFR 60:A.60.7(a) (7)				required under 40 CFR 60.
Batch Plant and Cullet Processing (6) Sourcewide 6A:A.60.7(a)(7) and 40 CFR 60:A.60.7(a) (7) Sourcewide 6A:A.60.7(c) and 40 CFR 60:A.60.7(c) and 40 CFR 60:A.60.11(c) and 40 CFR 60:A.60.13 and 40 CFR 60:A.60.13 and 40 CFR 60:A.60.18 and 40 CFR 60:A.60.18 and 40 CFR 60:A.60.18 and 40 CFR 60:A.60.11 (a) Through 60:113 and 40 CFR 60:A.60.110 Through 60:113 and 40 CFR 60:A.60.110 Through 60:113 and 40 CFR 60:A.60.110 Through 60:117a and 40 CFR 60:A.60.110 Through 60:117a and 40 CFR 60:A.60.110 Through 60:117a and 40 CFR 60:A.60.110 Through 60:117a: 6A: Kb.60.110 Through 60:117a: 6A: Kb.60	Congonido		Natification	Course is not subject to one and site standard.
Cullet Processing Go Sourcewide 6A:A.60.7(a)(7) and 40 CFR 60:A.60.7(a) (7)		` / ` /	Nonneation	
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Through 60.117b and 40 CFR 60:Kb.60.11				
40 CFR 60:Kb.60.11				
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Emission Unit	Regulation	Description	Justification
Batch Plant P100; Cullet Processing P200; Hot End Coating F500; Ink Jet Box Marking F600: IS Bottle Making Machines F400	6A:CC.60.290 through 60.296 and 40 CFR 60:CC.60.290 through 296	Glass Manufacturing Plant Standards of Performance	Emission unit is not a glass melting furnace.
Furnace No. 2 B300	6A:CC.60.290 through 60.296 and 40 CFR 60:CC.60.290 through 296	Glass Manufacturing Plant Standards of Performance	Glass melting furnace was constructed before October 1972.
Sourcewide	6A: CC.60.292(a)(2) and 40 CFR 60: CC.60.292(a)(2)	Glass Melting Furnace PM Standards	Source does not include a glass-melting furnace fired simultaneously with gaseous and liquid fuels.
Sourcewide	All Requirements of 6A: CC.60.293 and 40 CFR 60: CC.60.293	PM Standards from Glass Melting Furnaces with Modified Processes	Source does not include glass-melting furnaces with modified processes.
Sourcewide	6A: CC.60.296(b) and 40 CFR 60: CC.60.296(b)	Glass Melting Furnaces Fired Simultaneously with Gaseous and Liquid Fuels	Source does not include a glass-melting furnace fired simultaneously with gaseous and liquid fuels.
Sourcewide	All Requirements of 6A: DD. 60.300 Through 60.304 and 40 CFR 60:DD.60.300 Through 60.304	Grain Elevators	Source does not include grain storage or terminal elevators.
Sourcewide	All Requirements of 6A:WW.60.490 Through 60.496 and 40 CFR 60: WW.60.490 Through 60.496	Beverage Can Surface Coating Industry	Source is not part of the beverage can coating industry.
Cullet Processing (Original Plant and Basement Crusher) P200	All Requirements of 6B	Non-Federal New Source Performance Standards	Emission unit was constructed prior to January 30, 1979
Sourcewide	All Requirements of 6B:II.	New Fuel Burning Equipment Standards of Performance	Source does not include fuel-burning equipment.
Hot End Coating F500; Ink Jet Box Marking F600	6B:III.C	Manufacturing Process PM Limits	Manufacturing process does not emit PM
Batch Plant P100; Cullet Processing P200; IS Bottle Making Machines F400	6B:III.C.1	Manufacturing Processes – PM	Manufacturing process has a process weight rate which is not less than 60,000 lb/hr (30 ton/hr).

Emission Unit	Regulation	Description	Justification
Furnaces 1, 2, and 3 B300	6B:III.C.2	Manufacturing Processes - PM	Manufacturing process has a process weight rate which is not greater than 60,000 lb/hr (30 ton/hr).
Batch Plant P100; Cullet Processing P200; Hot End Coating F500; Ink Jet Box Marking	6B:III.D	Manufacturing Processes – SO ₂	Manufacturing process does not emit SO ₂ .
Sourcewide	All Requirements of 6B:VII.	Incinerator Requirements	Source does not include incinerators.
Batch Plant P100	All Requirements of 7	VOC Controls	Emission unit is not a source of VOCs.
Sourcewide	All Requirements of 7:II.C.1.a.	Existing Source RACT Requirements	Source's potential to emit VOC is not 100 tpy or more.
Sourcewide	7:II.C.1.b.	Existing Source VOC Controls	Source did not employ VOC emission controls on or within the six-month period preceding October 30, 1989.
Sourcewide	All Requirements of 7:III.	Storage and Transfer of VOCs	Emission unit does not involve tank storage or transfer of VOCs.
Sourcewide	All Requirements of 7:IV.	Storage of Highly Volatile Organic Compounds	Source does not include VOC storage tanks.
Sourcewide	All Requirements of 7:VI.	Storage and Transfer of Petroleum Liquids	Source does not store or transfer petroleum liquids.
Sourcewide	All Requirements of 7:IX.	Surface Coating Operations	Source does not include surface coating operations.
Sourcewide	All Requirements of Section XIII.	Graphic Arts	Source is not a packaging rotogravure, publication rotogravure, or flexographic printing facility.
Sourcewide	Appendix D	Test Procedure for Gasoline Transport Trucks	Trucks and trailers located at this source do not transport petroleum liquid.
Sourcewide	All Requirements of 8A: N.61.160 through 61.165 and 40 CFR 61:N.61.160 Through 61.165	Inorganic Arsenic emissions from Glass Manufacturing Plants	Source does not include glass-melting furnaces that use commercial arsenic as a raw material.
Sourcewide	All Requirements of 8A:V.61.240 Through 61.247 and 40 CFR 61:V.61.240 Through 61.247	Equipment Leaks (Fugitive Emission Sources)	Source does not have emission units in VHAP service as defined in 40 CFR 61, Subpart V, Section 61.241.
Batch Plant P100; Cullet Processing P200; Hot End Coating F500; Ink Jet Box Marking F600: IS Bottle Making Machines F400	All Requirements of 8C:I	Lead Requirement	Emission unit does not emit lead.

Emission Unit	Regulation	Description	Justification
Sourcewide	All Requirements of 8E:I:A.63.1 Through 8E:I:A.63.15 and 40 CFR 63:A.63.1 Through 63.15	NESHAPs - General Provisions	Source does not include emission units regulated under any subpart of 40 CFR 63.
Sourcewide	All Requirements of 40 CFR 63:B.63.40 Through 63.49	Control Technology Determinations	Source is not major for hazardous air pollutants.
Sourcewide	All Requirements of 40 CFR 63:B.63.50 Through 63.57	Control Technology Determination	Source is not major for hazardous air pollutants.
Sourcewide	All Requirements of 8E:III:C.63.460 Through 63.469 and 40 CFR 63:T.63.460 Through 63.469	Halogenated Solvent Cleaning Machines	Source does not include halogenated solvent cleaning machines.
Sourcewide	All Requirements of 40 CFR 63:DD.63.680 Through 63.699	Off-Site Waste and Recovery Operations	Source is not major for hazardous air pollutants.
Sourcewide	All Requirements of 16	Street Sanding Emission Control Measures	Source is not a governmental entity, and owner or operator is not an employee, official, representative or agent of a governmental agency, or a person who contracts with a governmental entity for the purpose of applying street sanding material.
Sourcewide	All Requirements of Regulation No. 18	Control of Emissions of Acid Deposition Precursors	Source does not include an affected unit, as defined at 40 CFR 72.6.
Sourcewide	All Requirements of PM ₁₀ SIP:IX.A.3	Restrictions on Use of Oil	Source is not the Trigen of Colorado Facility.
Sourcewide	PM ₁₀ SIP:IX.B.4.	Emission Limitation on Trigen Boilers (Previously Coors Boilers)	Source is not the Trigen of Colorado Facility.
Batch Plant P100; Cullet Processing P200; Hot End Coating F500; Ink Jet Box Marking F600: IS Bottle Making Machines F400	PM ₁₀ SIP:IX.B.5.	Emission Limits	Emission unit is not a furnace at Rocky Mountain Bottle Company (previously known as Coors Glass Plant).
Sourcewide	All Requirements of 40 CFR 72	Acid Rain Permits	Source does not include an affected unit, as defined at 40 CFR 72.6.
Sourcewide	All Requirements of 40 CFR 73	SO ₂ Allowances	Source does not include an affected unit, as defined at 40 CFR 72.6.
Sourcewide	All Requirements of 40 CFR 75	Acid Rain CEMs	Source does not include an affected unit subject to acid rain emission limitations or reduction requirements for SO ₂ or NO _x .

Emission Unit	Regulation	Description	Justification
Sourcewide	All Requirements of 40 CFR 76	Acid Rain NO _x Program	Source does not include a coal-fired utility unit.
Sourcewide	All Requirements of 40 CFR 77	Acid Rain Excess Emissions	Source does not include an affected unit, as defined at 40 CFR 72.6.
Sourcewide	All Requirements of 40 CFR 78	Appeal Procedures for Acid Rain Program	Does not include requirements for industrial sources.
Sourcewide	All Requirements of 40 CFR 74	SO ₂ Opt-In	Source has not opted-in to the Acid Rain program.
Sourcewide	All Requirements of 40 CFR 82:E. 82.100 Through 82.122	Protection of Stratospheric Ozone, Labeling of Products Using Ozone-Depleting Substances	Does not contain Title V applicable requirements.
Sourcewide	40 CFR 82:F.82.154(c)	Importation and Manufacture of Recycling Equipment	Source does not import or manufacture recycling or recovery equipment for use during the maintenance, service, repair, or disposal of appliances containing Class I or Class substances.
Sourcewide	40 CFR 82:F.82.154(i)	Reclaiming Refrigerant	Source does not receive refrigerant for reclaim.
Sourcewide	40 CFR 82:F.82.154(j) and 40 CFR 82:F.82.154(k)	Sale of Appliances	Source does not sell or distribute appliances containing Class I or Class II substances.
Sourcewide	40 CFR 82:F. 82.154(m)	Technician Training	Source does not provide technician training or testing.
Sourcewide	40 CFR 82:F.82.166(d) and (e)	Notification Requirements for Equipment Testing Organizations	Source is not a testing organization for equipment intended for use during the maintenance, service, repair, or disposal of appliances containing Class I or Class II refrigerants.
Sourcewide	40 CFR 82:F 82.166(f)	Recordkeeping for Technician Certification Programs	Source does not conduct a technician certification program.
Sourcewide	40 CFR 82:F.82.166(g) and 40 CFR 82: F.82.166 (h)	Recordkeeping for Reclaimers	Source does not receive material for reclamation.
Sourcewide	40 CFR 82:G.82.176(b)(5)	Documentation of Exemption	Source does not use substitutes for Class I or Class II ozone-depleting compounds for test marketing purposes.
Sourcewide	40 CFR 82:G.82.176(c)	Use After April 18, 1994	Source did not purchase unacceptable substitutes or substitutes acceptable subject to narrowed use limits after March 18, 1994.
Sourcewide	40 CFR 82:G.82.180(b)(2)	Use Subject to Conditions	Source has not adopted and does not intend to adopt a substitute subject to use conditions.
Sourcewide	40 CFR 82:G.82.180(b)(3)	Use subject to Narrowed Use	Source has not adopted and does not intend to adopt a substitute acceptable with narrowed use limits.
Furnaces 1, 2, and 3 B300	Construction Permit 92JE129-1: Item 11a	Glass Melting Furnace PM Limits	Emission unit is not a glass melting furnace with modified processes.
Furnaces 1, 2, and 3 B300	Construction Permit 92JE129-1: Item 11d	Notification	A continuous monitoring device is not required under 40 CFR 60.

Emission Unit	Regulation	Description	Justification
Furnaces 1, 2, and 3	Construction Permit	Notification	Emission unit is not subject to any opacity
B300	92JE129-1: Item 11e		standards under 40 CFR 60
Furnaces 1, 2, and 3	Construction Permit	Reporting	A continuous monitoring device is not required
B300	92JE129-1: Item 11f		under 40 CFR 60.
Furnaces 1, 2, and 3	Construction Permit	Opacity Testing Methods	Emission unit is not subject to any opacity
B300	92JE129-1: Item 11h	and Procedures	standards under 40 CFR 60.
Furnaces 1, 2, and 3	Construction Permit	Monitoring Requirements	A continuous monitoring device is not required
B300	92JE129-1: Item 11i		under 40 CFR 60.
Furnaces 1, 2, and 3	Construction Permit	Continuous Monitoring	A continuous monitoring device is not required
B300	92JE129-1: Item 18	Systems	under 40 CFR 60.

2. General Conditions

Compliance with this Operating Permit shall be deemed compliance with all applicable requirements specifically identified in the permit and other requirements specifically identified in the permit as not applicable to the source. This permit shield shall not alter or affect the following:

- 2.1 The provisions of ' 25-7-112 and 25-7-113, C.R.S., or ' 303 of the federal act, concerning enforcement in cases of emergency;
- 2.2 The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- 2.3 The applicable requirements of the federal Acid Rain Program, consistent with ' 408(a) of the federal act;
- 2.4 The ability of the Air Pollution Control Division to obtain information from a source pursuant to '25-7-111(2)(I), C.R.S., or the ability of the Administrator to obtain information pursuant to '114 of the federal act;
- 2.5 The ability of the Air Pollution Control Division to reopen the Operating Permit for cause pursuant to Regulation No. 3, Part C, 'XIII.
- 2.6 Sources are not shielded from terms and conditions that become applicable to the source subsequent to permit issuance.

3. Streamlined Conditions

The following applicable requirements have been subsumed within this operating permit using the pertinent streamlining procedures approved by the U.S. EPA. For purposes of the permit shield, compliance with the listed permit conditions will also serve as a compliance demonstration for purposes of the associated subsumed requirements.

No conditions have been streamlined.

SECTION IV - General Permit Conditions

1. Administrative Changes

Regulation No. 3, 5 CCR 1001-5, Part A, ' III.

The permittee shall submit an application for an administrative permit amendment to the Division for those permit changes that are described in Regulation No. 3, Part A, 'I.B.36.a. The permittee may immediately make the change upon submission of the application to the Division.

2. Certification Requirements

Regulation No. 3, 5 CCR 1001-5, Part C, ' III.B.9., V.C.16.a.&e. and V.C.17.

- a. Any application, report, document and compliance certification submitted to the Air Pollution Control Division pursuant to Regulation No. 3 or the Operating Permit shall contain a certification by a responsible official of the truth, accuracy and completeness of such form, report or certification stating that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
- b. All compliance certifications for terms and conditions in the Operating Permit shall be submitted to the Air Pollution Control Division at least annually unless a more frequent period is specified in the applicable requirement or by the Division in the Operating Permit.
- c. Compliance certifications shall contain:
 - (i) the identification of each permit term and condition that is the basis of the certification;
 - (ii) the compliance status of the source;
 - (iii) whether compliance was continuous or intermittent;
 - (iv) the method(s) used for determining the compliance status of the source, currently and over the reporting period; and
 - such other facts as the Air Pollution Control Division may require to determine the compliance status of the source.
- d. All compliance certifications shall be submitted to the Air Pollution Control Division and to the Environmental Protection Agency at the addresses listed in Appendix D of this Permit.
- e. If the permittee is required to develop and register a risk management plan pursuant to '112(r) of the federal act, the permittee shall certify its compliance with that requirement; the Operating Permit shall not incorporate the contents of the risk management plan as a permit term or condition.

3. Common Provisions

Common Provisions Regulation, 5 CCR 1001-2 §§ II.A., II.B., II.C., II,E., II.F., II.I, and II.J.

a. To Control Emissions Leaving Colorado

When emissions generated from sources in Colorado cross the State boundary line, such emissions shall not cause the air quality standards of the receiving State to be exceeded, provided reciprocal action is taken by the receiving State.

b. Emission Monitoring Requirements

The Division may require owners or operators of stationary air pollution sources to install, maintain, and use instrumentation to monitor and record emission data as a basis for periodic reports to the Division.

c. Performance Testing

The owner or operator of any air pollution source shall, upon request of the Division, conduct performance test(s) and furnish the Division a written report of the results of such test(s) in order to determine compliance with applicable emission control regulations. Performance test(s) shall be conducted and the data reduced in accordance with the applicable reference test methods unless the Division:

specifies or approves, in specific cases, the use of a test method with minor changes in methodology;

approves the use of an equivalent method;

approves the use of an alternative method the results of which the Division has determined to be adequate for indicating where a specific source is in compliance; or

waives the requirement for performance test(s) because the owner or operator of a source has demonstrated by other means to the Division's satisfaction that the affected facility is in compliance with the standard. Nothing in this paragraph shall be construed to abrogate the Commission's or Division's authority to require testing under the Colorado Revised Statutes, Title 25, Article 7 1973, and pursuant to regulations promulgated by the Commission.

Compliance test(s) shall be conducted under such conditions as the Division shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Division such records as may be necessary to determine the conditions of the performance test(s). Operations during period of startup, shutdown, and malfunction shall not constitute representative conditions of performance test(s) unless otherwise specified in the applicable standard.

The owner or operator of an affected facility shall provide the Division thirty days prior notice of the performance test to afford the Division the opportunity to have an observer present. The Division may waive the thirty day notice requirement provided that arrangements satisfactory to the Division are made for earlier testing.

The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows:

(i) Sampling ports adequate for test methods applicable to such facility,

Safe sampling platform(s),

Safe access to sampling platform(s).

Utilities for sampling and testing equipment.

Each performance test shall consist of at least three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard the arithmetic mean of results of at least three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances beyond the owner or operator's control, compliance may, upon the Division's approval, be determined using the arithmetic mean of the results of the two other runs.

Nothing in this section shall abrogate the Division's authority to conduct its own performance test(s) if so warranted.

d. Upset Conditions and Breakdowns

Upset conditions, as defined, shall not be deemed to be in violation of the Colorado regulations, provided that the Division is notified as soon as possible, but no later than two (2) hours after the start of the next working day, followed by a written notice to the Division explaining the cause of the occurrence and that proper action has been or is being taken to correct the conditions causing the violation and to prevent such excess emission in the future.

e. Circumvention Clause

A person shall not build, erect, install, or use any article, machine, equipment, condition, or any contrivance, the use of which, without resulting in a reduction in the total release of air pollutants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of this regulation. No person shall circumvent this regulation by using more openings than is considered normal practice by the industry or activity in question.

f. Compliance Certifications

For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard in the Colorado State Implementation Plan, nothing in the Colorado State Implementation Plan shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. Evidence that has the effect of making any relevant standard or permit term more stringent shall not be credible for proving a violation of the standard or permit term.

g. Affirmative Defense Provision for Excess Emissions During Startup and Shutdown

Note that until such time as the U.S. EPA approves this provision into the Colorado State Implementation Plan (SIP), it shall apply only to State-Only permit terms and conditions and shall be enforceable only by the State.

An affirmative defense is provided to owners and operators for civil penalty actions for excess emissions during periods of startup and shutdown. To establish the affirmative defense and to be relieved of a civil penalty in any action to enforce an applicable requirement, the owner or operator of the facility must meet the notification requirements below in a timely manner and prove by a preponderance of the evidence that:

The periods of excess emissions that occurred during startup and shutdown were short and infrequent and could not have been prevented through careful planning and design;

The excess emissions were not part of a recurring pattern indicative of inadequate design, operation or maintenance;

If the excess emissions were caused by a bypass (an intentional diversion of control equipment), then the bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

The frequency and duration of operation in startup and shutdown periods were minimized to the maximum extent practicable;

All possible steps were taken to minimize the impact of excess emissions on ambient air quality;

All emissions monitoring systems were kept in operation (if at all possible);

The owner or operator's actions during the period of excess emissions were documented by properly signed, contemporaneous operating logs or other relevant evidence; and,

At all times, the facility was operated in a manner consistent with good practices for minimizing emissions. This subparagraph is intended solely to be a factor in determining whether an affirmative defense is available to an owner or operator, and shall not constitute an additional applicable requirement.

The owner or operator of the facility experiencing excess emissions during startup and shutdown shall notify the Division verbally as soon as possible, but no later than two (2) hours after the start of the next working day, and shall submit written quarterly notification following the initial occurrence of the excess emissions. The notification shall address the criteria set forth above.

The Affirmative Defense Provision contained in this section shall not be available to claims for injunctive relief.

The Affirmative Defense Provision does not apply to State Implementation Plan provisions or other requirements that derive from new source performance standards (NSPS) or national emissions standards for hazardous air pollutants (NESHAPS), any other federally enforceable performance standard or emission limit with an averaging time greater than twenty-four hours. In addition, an affirmative defense cannot be used by a single source or small group of sources where the excess emissions have the potential to cause an exceedance of the ambient air quality standards or Prevention of Significant Deterioration (PSD) increments.

In making any determination whether a source established an affirmative defense, the Division shall consider the information within the notification required above and any other information the Division deems necessary, which may include, but is not limited to, physical inspection of the facility and review of documentation pertaining to the maintenance and operation of process and air pollution control equipment

4. Compliance Requirements

Regulation No. 3, 5 CCR 1001-5, Part C, ' III.C.9., V.C.11. & 16.d., ' 25-7-122.1(2), C.R.S.

- a. The permittee must comply with all conditions of the Operating Permit. Any permit noncompliance relating to federally-enforceable terms or conditions constitutes a violation of the federal act, as well as the state act and Regulation No. 3. Any permit noncompliance relating to state-only terms or conditions constitutes a violation of the state act and Regulation No. 3, shall be enforceable pursuant to state law, and shall not be enforceable by citizens under '304 of the federal act. Any such violation of the federal act, the state act or regulations implementing either statute is grounds for enforcement action, for permit termination, revocation and reissuance or modification or for denial of a permit renewal application.
- b. It shall not be a defense for a permittee in an enforcement action or a consideration in favor of a permittee in a permit termination, revocation or modification action or action denying a permit renewal application that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- c. The permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of any request by the permittee for a permit modification, revocation and reissuance, or termination, or any notification of planned changes or anticipated noncompliance does not stay any permit condition, except as provided in "X. and XI. of Regulation No. 3, Part C.
- d. The permittee shall furnish to the Air Pollution Control Division, within a reasonable time as specified by the Division, any information that the Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Division copies of records required to be kept by the permittee, including information claimed to be confidential. Any information subject to a claim of confidentiality shall be specifically identified and submitted separately from information not subject to the claim.

- e. Any schedule for compliance for applicable requirements with which the source is not in compliance at the time of permit issuance shall be supplemental, and shall not sanction noncompliance with, the applicable requirements on which it is based.
- f. For any compliance schedule for applicable requirements with which the source is not in compliance at the time of permit issuance, the permittee shall submit, at least every 6 months unless a more frequent period is specified in the applicable requirement or by the Air Pollution Control Division, progress reports which contain the following:
 - (i) dates for achieving the activities, milestones, or compliance required in the schedule for compliance, and dates when such activities, milestones, or compliance were achieved; and
 - (ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- g. The permittee shall not knowingly falsify, tamper with, or render inaccurate any monitoring device or method required to be maintained or followed under the terms and conditions of the Operating Permit.

5. Emergency Provisions

Regulation No. 3, 5 CCR 1001-5, Part C, 'VII. and Common Provisions, 5 CCR 1001-2 'II.E

An emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed the technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. "Emergency" does not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error. An emergency constitutes an affirmative defense to an enforcement action brought for noncompliance with a technology-based emission limitation if the permittee demonstrates, through properly signed, contemporaneous operating logs, or other relevant evidence that:

- a. an emergency occurred and that the permittee can identify the cause(s) of the emergency;
- b. the permitted facility was at the time being properly operated;
- c. during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- d. the permittee submitted oral notice of the emergency to the Air Pollution Control Division no later than noon of the next working day following the emergency, and followed by written notice within one month of the time when emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

This emergency provision is in addition to any emergency or upset provision contained in any applicable requirement.

6. Emission Standards for Asbestos

Regulation No. 8, 5 CCR 1001-10, Part B

The permittee shall not conduct any asbestos abatement activities except in accordance with the provisions of Regulation No. 8, Part B, "emission standards for asbestos."

7. Emissions Trading, Marketable Permits, Economic Incentives

Regulation No. 3, 5 CCR 1001-5, Part C, 'V.C.13.

No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are specifically provided for in the permit.

8. Fee Payment

C.R.S. §§ 25-7-114.1(6) and 25-7-114.7

- a. The permittee shall pay an annual emissions fee in accordance with the provisions of C.R.S. § 25-7-114.7. A 1% per month late payment fee shall be assessed against any invoice amounts not paid in full on the 91st day after the date of invoice, unless a permittee has filed a timely protest to the invoice amount.
- b. The permittee shall pay a permit processing fee in accordance with the provisions of C.R.S. § 25-7-114.7. If the Division estimates that processing of the permit will take more than 30 hours, it will notify the permittee of its estimate of what the actual charges may be prior to commencing any work exceeding the 30 hour limit.
- c. The permittee shall pay an APEN fee in accordance with the provisions of C.R.S. § 25-7-114.1(6) for each APEN or revised APEN filed.

9. Fugitive Particulate Emissions

Regulation No. 1, 5 CCR 1001-3, ' III.D.1.

The permittee shall employ such control measures and operating procedures as are necessary to minimize fugitive particulate emissions into the atmosphere, in accordance with the provisions of Regulation No. 1, ' III.D.1.

10. Inspection and Entry

Regulation No. 3, 5 CCR 1001-5, Part C, 'V.C.16.b.

Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Air Pollution Control Division, or any authorized representative, to perform the following:

- a. enter upon the permittee's premises where an Operating Permit source is located, or emissions-related activity is conducted, or where records must be kept under the terms of the permit;
- b. have access to, and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- c. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the Operating Permit;
- d. sample or monitor at reasonable times, for the purposes of assuring compliance with the Operating Permit or applicable requirements, any substances or parameters.

11. Minor Permit Modifications

Regulation No. 3, 5 CCR 1001-5, Part C, 'X. & XI.

The permittee shall submit an application for a minor permit modification before making the change requested in the application. The permit shield shall not extend to minor permit modifications.

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12. New Source Review

Regulation No. 3, 5 CCR 1001-5, Part B

The permittee shall not commence construction or modification of a source required to be reviewed under the New Source Review provisions of Regulation No. 3, Part B, without first receiving a construction permit.

13. No Property Rights Conveyed

Regulation No. 3, 5 CCR 1001-5, Part C, ' V.C.11.d.

This permit does not convey any property rights of any sort, or any exclusive privilege.

14. Odor

Regulation No. 2, 5 CCR 1001-4, Part A

As a matter of state law only, the permittee shall comply with the provisions of Regulation No. 2 concerning odorous emissions.

15. Off-Permit Changes to the Source

Regulation No. 3, 5 CCR 1001-5, Part C, 'XII.B.

The permittee shall record any off-permit change to the source that causes the emissions of a regulated pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from the change, including any other data necessary to show compliance with applicable ambient air quality standards. The permittee shall provide contemporaneous notification to the Air Pollution Control Division and to the Environmental Protection Agency at the addresses listed in Appendix D of this Permit. The permit shield shall not apply to any off-permit change.

16. Opacity

Regulation No. 1, 5 CCR 1001-3, ' I., II.

The permittee shall comply with the opacity emissions limitation set forth in Regulation No. 1, ' I.-II.

17. Open Burning

Regulation No. 9, 5 CCR 1001-11

The permittee shall obtain a permit from the Division for any regulated open burning activities in accordance with provisions of Regulation No. 1, ' II.C.1.

18. Ozone Depleting Compounds

Regulation No. 15, 5 CCR 1001-17

The permittee shall comply with the provisions of Regulation No. 15 concerning emissions of ozone depleting compounds. Sections I., II.C., II.D., III. IV., and V. of Regulation No. 15 shall be enforced as a matter of state law only.

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19. Permit Expiration and Renewal

Regulation No. 3, 5 CCR 1001-5, Part C, ' III.B.6., IV.C., V.C.2.

- a. The permit term shall be five (5) years. The permit shall expire at the end of its term. Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application is submitted.
- b. Applications for renewal shall be submitted at least twelve months, but not more than 18 months, prior to the expiration of the Operating Permit. An application for permit renewal may address only those portions of the permit that require revision, supplementing, or deletion, incorporating the remaining permit terms by reference from the previous permit. A copy of any materials incorporated by reference must be included with the application.

20. Portable Sources

Regulation No. 3, 5 CCR 1001-5, Part C, ' II.D.

Portable Source permittees shall notify the Air Pollution Control Division at least 10 days in advance of each change in location.

21. Prompt Deviation Reporting

Regulation No. 3, 5 CCR 1001-5, Part C, 'V.C.7.b.

The permittee shall promptly report any deviation from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. Unless required by a permit term or condition to report deviations on a more frequent basis, "prompt" reporting shall entail submission of reports of deviations from permit requirements every six (6) months in accordance with paragraph 21.d. below. "Prompt reporting" does not constitute an exception to the requirements of "Emergency Provisions" for the purpose of avoiding enforcement actions.

22. Record Keeping and Reporting Requirements

Regulation No. 3, 5 CCR 1001-5, Part A, 'II.; Part C, '' V.C.6., V.C.7.

- a. Unless otherwise provided in the source specific conditions of this Operating Permit, the permittee shall maintain compliance monitoring records that include the following information:
 - (i) date, place as defined in the Operating Permit, and time of sampling or measurements;
 - (ii) date(s) on which analyses were performed;
 - (iii) the company or entity that performed the analysis;
 - (iv) the analytical techniques or methods used;
 - (v) the results of such analysis; and
 - (vi) the operating conditions at the time of sampling or measurement.
- b. The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report or application. Support information, for this purpose, includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the Operating Permit. With prior approval of the Air Pollution Control Division, the permittee may maintain any of the above records in a computerized form.

- c. Permittees must retain records of all required monitoring data and support information for the most recent twelve (12) month period, as well as compliance certifications for the past five (5) years on-site at all times. A permittee shall make available for the Air Pollution Control Division's review all other records of required monitoring data and support information required to be retained by the permittee upon 48 hours advance notice by the Division.
- d. The permittee shall submit to the Air Pollution Control Division all reports of any required monitoring at least every six (6) months, unless an applicable requirement, the enhanced monitoring rule, or the Division requires submission on a more frequent basis. All instances of deviations from any permit requirements must be clearly identified in such reports.
- e. The permittee shall file an Air Pollutant Emissions Notice ("APEN") prior to constructing, modifying, or altering any facility, process, activity which constitutes a stationary source from which air pollutants are or are to be emitted, unless such source is exempt from the APEN filing requirements of Regulation No. 3, Part A, 'II.D. A revised APEN shall be filed annually whenever a significant change in emissions, as defined in Regulation No. 3, Part A, 'II.C.2., occurs; whenever there is a change in owner or operator of any facility, process, or activity; whenever new control equipment is installed; whenever a different type of control equipment replaces an existing type of control equipment; whenever a permit limitation must be modified; or before the APEN expires. An APEN is valid for a period of five years. The five-year period recommences when a revised APEN is received by the Air Pollution Control Division. Revised APENs shall be submitted no later than 30 days before the five-year term expires. Permittees submitting revised APENs to inform the Division of a change in actual emission rates must do so by April 30 of the following year. Where a permit revision is required, the revised APEN must be filed along with a request for permit revision. APENs for changes in control equipment must be submitted before the change occurs. Annual fees are based on the most recent APEN on file with the Division.

23. Reopenings for Cause

Regulation No. 3, 5 CCR 1001-5, Part C, 'XIII.

- a. The Air Pollution Control Division shall reopen, revise, and reissue Operating Permits; permit reopenings and reissuance shall be processed using the procedures set forth in Regulation No. 3, Part C, 'III., except that proceedings to reopen and reissue permits affect only those parts of the permit for which cause to reopen exists.
- b. The Division shall reopen a permit whenever additional applicable requirements become applicable to a major source with a remaining permit term of three or more years, unless the effective date of the requirements is later than the date on which the permit expires, or unless a general permit is obtained to address the new requirements; whenever additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program; whenever the Division determines the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or whenever the Division determines that the permit must be revised or revoked to assure compliance with an applicable requirement.
- c. The Division shall provide 30 days' advance notice to the permittee of its intent to reopen the permit, except that a shorter notice may be provided in the case of an emergency.
- d. The permit shield shall extend to those parts of the permit that have been changed pursuant to the reopening and reissuance procedure.

24. Section 502(b)(10) Changes

Regulation No. 3, 5 CCR 1001-5, Part C, 'XII.A.

The permittee shall provide a minimum 7-day advance notification to the Air Pollution Control Division and to the Environmental Protection Agency at the addresses listed in Appendix D of this Permit. The permittee shall attach a copy of each such notice given to its Operating Permit.

25. Severability Clause

Regulation No. 3, 5 CCR 1001-5, Part C, ' V.C.10.

In the event of a challenge to any portion of the permit, all emissions limits, specific and general conditions, monitoring, record keeping and reporting requirements of the permit, except those being challenged, remain valid and enforceable.

26. Significant Permit Modifications

Regulation No. 3, 5 CCR 1001-5, Part C, ' III.B.2.

The permittee shall not make a significant modification required to be reviewed under Regulation No. 3, Part B ("Construction Permit" requirements) without first receiving a construction permit. The permittee shall submit a complete Operating Permit application or application for an Operating Permit revision for any new or modified source within twelve months of commencing operation, to the address listed in Item 1 in Appendix D of this permit. If the permittee chooses to use the "Combined Construction/Operating Permit" application procedures of Regulation No. 3, Part C, then the Operating Permit must be received prior to commencing construction of the new or modified source.

27. Special Provisions Concerning the Acid Rain Program

Regulation No. 3, 5 CCR 1001-5, Part C, ' V.C.1.b. & 8

- a. Where an applicable requirement of the federal act is more stringent than an applicable requirement of regulations promulgated under Title IV of the federal act, 40 Code of Federal Regulations (CFR) Part 72, both provisions shall be incorporated into the permit and shall be federally enforceable.
- b. Emissions exceeding any allowances that the source lawfully holds under Title IV of the federal act or the regulations promulgated thereunder, 40 CFR Part 72, are expressly prohibited.

28. Transfer or Assignment of Ownership

Regulation No. 3, 5 CCR 1001-5, Part C, ' II.C.

No transfer or assignment of ownership of the Operating Permit source will be effective unless the prospective owner or operator applies to the Air Pollution Control Division on Division-supplied Administrative Permit Amendment forms, for reissuance of the existing Operating Permit. No administrative permit shall be complete until a written agreement containing a specific date for transfer of permit, responsibility, coverage, and liability between the permittee and the prospective owner or operator has been submitted to the Division.

29. Volatile Organic Compounds

Regulation No. 7, 5 CCR 1001-9, ' III & V.

a. For sources located in an ozone non-attainment area or the Denver Metro Attainment Maintenance Area, all storage tank gauging devices, anti-rotation devices, accesses, seals, hatches, roof drainage systems, support structures, and pressure relief valves shall be maintained and operated to prevent detectable vapor loss except when opened, actuated, or used for necessary and proper activities (e.g. maintenance). Such opening, actuation, or use shall be limited so as to minimize vapor loss.

Detectable vapor loss shall be determined visually, by touch, by presence of odor, or using a portable hydrocarbon analyzer. When an analyzer is used, detectable vapor loss means a VOC concentration exceeding 10,000 ppm. Testing shall be conducted as in Regulation No. 7, Section VIII.C.3.

Except when otherwise provided by Regulation No. 7, all volatile organic compounds, excluding petroleum liquids, transferred to any tank, container, or vehicle compartment with a capacity exceeding 212 liters (56 gallons), shall be

transferred using submerged or bottom filling equipment. For top loading, the fill tube shall reach within six inches of the bottom of the tank compartment. For bottom-fill operations, the inlet shall be flush with the tank bottom.

b. The permittee shall not dispose of volatile organic compounds by evaporation or spillage unless Reasonably Available Control Technology (RACT) is utilized.

30. Wood Stoves and Wood burning Appliances

Regulation No. 4, 5 CCR 1001-6

The permittee shall comply with the provisions of Regulation No. 4 concerning the advertisement, sale, installation, and use of wood stoves and wood burning appliances.

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OPERATING PERMIT APPENDICES

- A INSPECTION INFORMATION
- **B COMPLIANCE MONITORING REPORT FORMAT**
- C COMPLIANCE CERTIFICATION REPORT FORMAT
- **D-NOTIFICATION ADDRESSES**
- **E PERMIT ACRONYMS**
- F PERMIT MODIFICATIONS

*DISCLAIMER:

None of the information found in these Appendices shall be considered to be State or Federally enforceable, except as otherwise provided in the permit, and is presented to assist the source, permitting authority, inspectors, and citizens.

APPENDIX A - Inspection Information

Directions to Plant: The plant is located at 10619 W. 50th Avenue in Wheat Ridge, Colorado.

Safety Equipment Required:

Eye protection Hard hat Safety shoes Hearing protection

Facility Plot Plan:

The following pages shows the plot plan as submitted on June 24, 1997 with the source's Title V Operating Permit Application resubmittal.

List of Insignificant Activities:

The following list of insignificant activities was provided by the source to assist in the understanding of the facility layout. Since there is no requirement to update such a list, activities may have changed since the last filing.

Insignificant activities and/or sources of emissions as submitted in the application are as follows:

Annealing Ovens
Aqueous Parts Washing
Architectural Painting and Roofing
Backup Generators
Cold End Coating
Hot Water Boiler
Propane Tank Farm
Wastewater Storage Tanks

APPENDIX B Reporting Requirements and Definitions

with codes ver 2/1/01

Please note that, pursuant to 113(c)(2) of the federal Clean Air Act, any person who knowingly:

- (A) makes any false material statement, representation, or certification in, or omits material information from, or knowingly alters, conceals, or fails to file or maintain any notice, application, record, report, plan, or other document required pursuant to the Act to be either filed or maintained (whether with respect to the requirements imposed by the Administrator or by a State);
- (B) fails to notify or report as required under the Act; or
- (C) falsifies, tampers with, renders inaccurate, or fails to install any monitoring device or method required to be maintained or followed under the Act shall, upon conviction, be punished by a fine pursuant to title 18 of the United States Code, or by imprisonment for not more than 2 years, or both. If a conviction of any person under this paragraph is for a violation committed after a first conviction of such person under this paragraph, the maximum punishment shall be doubled with respect to both the fine and imprisonment.

The permittee must comply with all conditions of this operating permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

The Part 70 Operating Permit program requires three types of reports to be filed for all permits. All required reports must be certified by a responsible official.

Report #1: Monitoring Deviation Report (due at least every six months)

For purposes of this operating permit, the Division is requiring that the monitoring reports are due every six months unless otherwise noted in the permit. All instances of deviations from permit monitoring requirements must be clearly identified in such reports.

For purposes of this operating permit, monitoring means any condition determined by observation, by data from any monitoring protocol, or by any other monitoring which is required by the permit as well as the recordkeeping associated with that monitoring. This would include, for example, fuel use or process rate monitoring, fuel analyses, and operational or control device parameter monitoring.

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Report #2: Permit Deviation Report (must be reported "promptly")

In addition to the monitoring requirements set forth in the permits as discussed above, each and every requirement of the permit is subject to deviation reporting. The reports must address deviations from permit requirements, including those attributable to upset conditions and malfunctions as defined in this Appendix, the probable cause of such deviations, and any corrective actions or preventive measures taken. All deviations from any term or condition of the permit are required to be summarized or referenced in the annual compliance certification.

For purposes of this operating permit, "upset" shall refer to both emergency conditions and upsets. Additional discussion on these conditions is provided later in this Appendix.

For purposes of this operating permit, the Division is requiring that the permit deviation reports are due every six months unless otherwise noted in the permit. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. For example, quarterly Excess Emission Reports required by an NSPS or Regulation No. 1, Section IV.

In addition to the monitoring deviations discussed above, included in the meaning of deviation for the purposes of this operating permit are any of the following:

- (1) A situation where emissions exceed an emission limitation or standard contained in the permit;
- (2) A situation where process or control device parameter values demonstrate that an emission limitation or standard contained in the permit has not been met;
- (3) A situation in which observations or data collected demonstrates noncompliance with an emission limitation or standard or any work practice or operating condition required by the permit; or,
- (4) A situation in which an excursion or exceedance as defined in 40CFR Part 64 (the Compliance Assurance Monitoring (CAM) Rule) has occurred. (only if the emission point is subject to CAM)

For reporting purposes, the Division has combined the Monitoring Deviation Report with the Permit Deviation Report. All deviations shall be reported using the following codes:

1 = Standard: When the requirement is an emission limit or standard When the requirement is a production/process limit

3 = Monitor: When the requirement is monitoring 4 = Test: When the requirement is testing

5 = Maintenance: When required maintenance is not performed
 6 = Record: When the requirement is recordkeeping
 7 = Report: When the requirement is reporting

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8 = CAM: A situation in which an excursion or exceedance as defined in 40CFR Part 64 (the

Compliance Assurance Monitoring (CAM) Rule) has occurred.

9 = Other: When the deviation is not covered by any of the above categories

Report #3: Compliance Certification (annually, as defined in the permit)

Submission of compliance certifications with terms and conditions in the permit, including emission limitations, standards, or work practices, is required not less than annually.

Compliance Certifications are intended to state the compliance status of each requirement of the permit over the certification period. They must be based, at a minimum, on the testing and monitoring methods specified in the permit that were conducted during the relevant time period. In addition, if the owner or operator knows of other material information (i.e. information beyond required monitoring that has been specifically assessed in relation to how the information potentially affects compliance status), that information must be identified and addressed in the compliance certification. The compliance certification must include the following:

- The identification of each term or condition of the permit that is the basis of the certification;
- The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each permit term and condition during the certification period and whether such methods or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the methods and means required in the permit. If necessary, the owner or operator also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Federal Clean Air Act, which prohibits knowingly making a false certification or omitting material information;
- The status of compliance with the terms and conditions of the permit, and whether compliance was continuous or intermittent. The certification shall identify each deviation and take it into account in the compliance certification. Note that not all deviations are considered violations.
- Such other facts as the Division may require, consistent with the applicable requirements to which the source is subject, to determine the compliance status of the source.

were minimized to the extent practicable and could not have been prevented through careful planning, design, or were unavoidable to prevent loss of life, personal injury, or severe property damage.

For example, given the various emissions limitations and monitoring requirements to which a source may be subject, a deviation from one requirement may not be a deviation under another requirement which recognizes an exception and/or special circumstances relating to that same event. Further, periods of excess emissions during startup, shutdown and malfunction may not be found to be a violation of an emission limitation or standard where the source adequately shows that any potential deviations as a result of these infrequent periods

The Certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40CFR Part 64 (the Compliance Assurance Monitoring (CAM) Rule) has occurred. (only for emission points subject to CAM)

Note the requirement that the certification shall identify each deviation and take it into account in the compliance certification. Previously submitted deviation reports, including the deviation report submitted at the time of the annual certification, may be referenced in the compliance certification.

Startup, Shutdown, Malfunctions, Emergencies, and Upsets

Understanding the application of Startup, Shutdown, Malfunctions, Emergency provisions, and the Upset provisions is very important in both the deviation reports and the annual compliance certifications.

Startup, Shutdown, and Malfunctions

Please note that exceedances of some New Source Performance Standards (NSPS) and Maximum Achievable Control Technology (MACT) standards that occur during Startup, Shutdown or Malfunctions may not be considered to be non-compliance since emission limits or standards often do not apply unless specifically stated in the NSPS. Such exceedances must, however, be reported as excess emissions per the NSPS/MACT rules and would still be noted in the deviation report. In regard to compliance certifications, the permittee should be confident of the information related to those deviations when making compliance determinations since they are subject to Division review. The concepts of Startup, Shutdown and Malfunctions also exist for Best Available Control Technology (BACT) sources, but are not applied in the same fashion as for NSPS and MACT sources.

Emergencies and Upsets

Under the Emergency provisions of Part 70 and the Upset provisions of the State regulations, certain operational conditions may act as an affirmative defense against enforcement action if they are properly reported.

DEFINITIONS

Malfunction (NSPS) means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

Malfunction (SIP) means any sudden and unavoidable failure of air pollution control equipment or process equipment or unintended failure of a process to operate in a normal or usual manner. Failures that are primarily caused by poor maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

Emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

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Upset means an unpredictable failure of air pollution control or process equipment which results in the violation of emission control regulations and which is not due to poor maintenance, improper or careless operations, or is otherwise preventable through exercise of reasonable care.

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APPENDIX B: Monitoring and Permit Deviation Report - Part I

- 1. Following is the **required** format for the Monitoring and Permit Deviation report to be submitted to the Division on a semi-annual basis unless otherwise noted in the permit. The Table below must be completed for all equipment or processes for which specific Operating Permit terms exist.
- 2. Part II of this Appendix B shows the format and information the Division will require for describing periods of monitoring and permit deviations, or upset or emergency conditions as indicated in the Table below. One Part II Form must be completed for each Deviation. Previously submitted reports (e.g. EER=s or Upsets) may be referenced and the form need not be filled out in its entirety.

FACILITY NAME: Rocky Mountain Bottle	Company
OPERATING PERMIT NO: 950PJE053	
REPORTING PERIOD:	(see first page of the permit for specific reporting period and
dates)	

Operating Permit Unit		Deviation During I		Deviation Code ²	Condition	mergency n Reported Period?
ID	Unit Description	YES	NO		YES	NO
P001	KTG Glass Melting Furnaces (3), Natural Gas or Propane Fired					
P008	Batch Plant, Including Sand Elevator, Surge Bin Sand Hopper, Storage Silos (15), Batch Conveying, Transfer and Mixing, and Microingredient Weighing					
P010	New Cullet Processing Plant, Including Cullet Crushing, Screening, Handling and Storage					
P011	Wash Tanks (2)					
P013	Ink Jet Printers for Box Marking (7)					
P014	Hot End Coating Spray Application Systems (7)					
P016	Individual Section Bottle Making Machines					
General Conditions						
Insignificant Activities						

1 = **Standard:** When the requirement is an emission limit or standard 2 = **Process:** When the requirement is a production/process limit

3 = Monitor: When the requirement is monitoring
 4 = Test: When the requirement is testing

5 = Maintenance: When required maintenance is not performed
 6 = Record: When the requirement is recordkeeping
 7 = Report: When the requirement is reporting

8 = CAM: A situation in which an excursion or exceedance as defined in 40CFR Part 64 (the

Compliance Assurance Monitoring (CAM) Rule) has occurred.

9 = Other: When the deviation is not covered by any of the above categories

¹ See previous discussion regarding what is considered to be a deviation. Determination of whether or not a deviation has occurred shall be based on a reasonable inquiry using readily available information.

APPENDIX B: Monitoring and Permit Deviation Report - Part II

OPERATING PERMIT NO: 95OPJE053 REPORTING PERIOD:	e Company		
Is the deviation being claimed as an:	Emergency	_ Upset	N/A
(For NSPS/MACT) Did the deviation occur during:	Startup	Shutdown	Malfunction
	Normal Operation		-
OPERATING PERMIT UNIT IDENTIFICATION:			
Operating Permit Condition Number Citation			
Explanation of Period of Deviation			
Duration (start/stop date & time)			
Action Taken to Correct the Problem			
Measures Taken to Prevent a Reoccurrence of the Pr	<u>roblem</u>		
Dates of Upsets/Emergencies Reported (if applicable	<u>e)</u>		
Deviation Code	Division Code QA:		-

SEE EXAMPLE ON THE NEXT PAGE

Operating Permit Number 95OPJE053

EXAMPLE

FACILITY NAME: Acme Corp.			
OPERATING PERMIT NO: 96OPZZXXX			
REPORTING PERIOD: 1/1/96 - 6/30/96			
Is the deviation being claimed as an:	Emergency	Upset XX	N/A
(For NSPS/MACT) Did the deviation occur during:	Startup Sh Normal Operation	nutdown	Malfunction
OPERATING PERMIT UNIT IDENTIFICATION:			
Asphalt Plant with a Scrubber for Particulate Contro	l - Unit XXX		
Operating Permit Condition Number Citation			
Section II, Condition 3.1 - Opacity Limitation			
Explanation of Period of Deviation			
Slurry Line Feed Plugged			
<u>Duration</u>			
START- 1730 4/10/96 END- 1800 4/10/96			
Action Taken to Correct the Problem			
Line Blown Out			
Measures Taken to Prevent Reoccurrence of the Pro	<u>olem</u>		
Replaced Line Filter			
Dates of Upsets/Emergencies Reported (if applicable	<u>e)</u>		
4/10/96 to S. Busch, APCD			
Deviation Code	Division Code QA:		

Revised: 10/6/04

APPENDIX B: Monitoring and Permit Deviation Report - Part III

REPORT CERTIFICATION

Printed or Typed Name Signature of Responsible Official Note: Deviation reports shall be submitted to the Division at the address permit. No copies need be sent to the U.S. EPA.	Title Date Signed given in Appendix D of this
Printed or Typed Name	Title
Please note that the Colorado Statutes state that any person who knowing 1-501(6), C.R.S., makes any false material statement, representation, or or guilty of a misdemeanor and may be punished in accordance with the pro122.1, C.R.S.	certification in this document is
I have reviewed the information being submitted in its entirety and, base formed after reasonable inquiry, I certify that the statements and inform are true, accurate and complete.	
STATEMENT OF COMPLETENESS	
All information for the Title V Semi-Annual Deviation Reports must be certifuldefined in Colorado Regulation No. 3, Part A, Section I.B.54. This signed ce packaged with the documents being submitted.	
REPORTING PERIOD: (see first page of the permit for s	specific reporting period and dates)
PERMIT NUMBER: 950PJE053	
FACILITY IDENTIFICATION NUMBER: 0590008 PERMIT NUMBER: 950PJE053	

APPENDIX C Required Format for Annual Compliance Certification Report

Following is the format for the Compliance Certification report to be submitted to the Division and the U.S. EPA annually based on the effective date of the permit. The Table below must be completed for all equipment or processes for which specific Operating Permit terms exist.

FACILITY NAME:	Rocky Mountain Bottle Company
OPERATING PERMIT NO:	95OPJE053
REPORTING PERIOD:	

I. Facility Status

During the entire reporting period, this source was in compliance with ALL terms and c	conditions contained
in the Permit, each term and condition of which is identified and included by this reference.	The method(s) used
to determine compliance is/are the method(s) specified in the Permit.	

____ With the possible exception of the deviations identified in the table below, this source was in compliance with all terms and conditions contained in the Permit, each term and condition of which is identified and included by this reference, during the entire reporting period. The method used to determine compliance for each term and condition is the method specified in the Permit, unless otherwise indicated and described in the deviation report(s). Note that not all deviations are considered violations.

Operating Permit Unit ID	Unit Description Deviations Reported ¹		Monitoring Method per Permit? ²		Was compliand interm	Was Data Continuous? ⁴			
		Previous	Current	YES	NO	Continuous	Intermittent	YES	NO
P001	KTG Glass Melting Furnaces (3), Natural Gas or Propane Fired								
P008	Batch Plant, Including Sand Elevator, Surge Bin Sand Hopper, Storage Silos (15), Batch Conveying, Transfer and Mixing, and Microingredient Weighing								
P010	New Cullet Processing Plant, Including Cullet Crushing, Screening,								

Operating Permit Unit ID	Unit Description	Deviations Reported ¹		Monitoring Method per Permit? ²		Was compliance continuous or intermittent? ³		Was Data Continuous? ⁴	
		Previous	Current	YES	NO	Continuous	Intermittent	YES	NO
	Handling and Storage								
P011	Wash Tanks (2)								
P013	Ink Jet Printers for Box Marking (7)								
P014	Hot End Coating Spray Application Systems (7)								
P016	Individual Section Bottle Making Machines								
General Conditions							_		
Insignificant Activities ⁵									

¹ If deviations were noted in the previous deviation report (i.e. for the first six months of the annual reporting period), put an AX@ under Aprevious@. If deviations were noted in the current deviation report (i.e. for the last six months of the annual reporting period), put an AX@ under Acurrent@. Mark both columns if both apply.

NOTE:

The Periodic Monitoring requirements of the Operating Permit program rule are intended to provide assurance that even in the absence of a continuous system of monitoring the Title V source can demonstrate whether it has operated in continuous compliance for the duration of the reporting period. Therefore, if a source 1) conducts all of the monitoring and recordkeeping required in its permit, even if such activities are done periodically and not continuously, and if 2) such monitoring and recordkeeping does not indicate non-compliance, and if 3) the Responsible Official is not aware of any credible evidence that indicates non-compliance, then the Responsible Official can certify that the emission point(s) in question were in continuous compliance during the applicable time period.

II. Status for Accidental Release Prevention Program:

² Note whether the method(s) used to determine the compliance status with each term and condition was the method(s) specified in the permit. If it was not, mark Ano@and attach additional information/explanation.

³ Note whether the compliance status with of each term and condition provided was continuous or intermittent. AIntermittent Compliance® can mean either that noncompliance has occurred or that the owner or operator has data sufficient to certify compliance only on an intermittent basis. Certification of intermittent compliance therefore does not necessarily mean that any noncompliance has occurred.

⁴ Note whether the method(s) used to determine the compliance status with each term and condition provided continuous or intermittent data.

⁵ Compliance status for these sources shall be based on a reasonable inquiry using readily available information.

	A.	_	is subject is not su on Program (Section 112(r) of the	abject to the provisions of the Accidental Federal Clean Air Act)
	В.	If subject: The far of section 112(r).		is not in compliance with all the requirements
		1. A Risk M appropriate	fanagement Plan will the authority and/or the designated	has been submitted to the central location by the required date.
III	Certif	ication		
reaso	nable i		· · · · · · · · · · · · · · · · · · ·	information and belief formed after ion contained in this certification are true,
C.R.S	S., mak	es any false materi		who knowingly, as defined in '18-1-501(6), correctification in this document is guilty of a rovisions of '25-7 122.1, C.R.S.
		Printed or Typed	Name	Title
		Timed of Typed		
		Signature ompliance certifica	ations shall be submitted to the Aicy at the addresses listed in Appe	Date Signed ir Pollution Control Division and to the ndix D of this Permit.

APPENDIX D Notification Addresses

1. **Air Pollution Control Division**

Colorado Department of Public Health and Environment Air Pollution Control Division Operating Permits Unit APCD-SS-B1 4300 Cherry Creek Drive S. Denver, CO 80246-1530

ATTN: Jim King

2. United States Environmental Protection Agency

Compliance Notifications:

Office of Enforcement, Compliance and Environmental Justice Mail Code 8ENF-T U.S. Environmental Protection Agency, Region VIII 999 18th Street, Suite 300 Denver, CO 80202-2466

Permit Modifications, Off Permit Changes:

Office of Partnerships and Regulatory Assistance and Air and Radiation Programs, 8P-AR U.S. Environmental Protection Agency, Region VIII 999 18th Street, Suite 300 Denver, CO 80202-2466

APPENDIX E - Permit Acronyms

Listed Alphabetically:

AIRS -	Aerometric Information Retrieval System
AP-42	EPA Document Compiling Air Pollutant Emission Factors
APEN -	Air Pollution Emission Notice (State of Colorado)
APCD -	Air Pollution Control Division (State of Colorado)
ASTM -	American Society for Testing and Materials
BACT -	Best Available Control Technology
BTU -	British Thermal Unit
CAA -	Clean Air Act (CAAA = Clean Air Act Amendments)
CCR -	Colorado Code of Regulations
CEM -	Continuous Emissions Monitor
CF -	Cubic Feet (SCF = Standard Cubic Feet)
CFR -	Code of Federal Regulations
CO -	Carbon Monoxide
COM -	Continuous Opacity Monitor
CRS -	Colorado Revised Statute
EF -	Emission Factor
EPA -	Environmental Protection Agency
FI -	Fuel Input Rate in Lbs/mmBtu
FR -	Federal Register
G -	Grams
Gal -	Gallon
GPM -	Gallons per Minute
HAPs -	Hazardous Air Pollutants
HP -	Horsepower
HP-HR -	Horsepower Hour (G/HP-HR = Grams per Horsepower Hour)
LAER -	Lowest Achievable Emission Rate
LBS -	Pounds
M -	Thousand
MM -	Million
MMscf -	Million Standard Cubic Feet
MMscfd -	Million Standard Cubic Feet per Day
N/A or NA -	Not Applicable
NOx -	Nitrogen Oxides
NESHAP -	National Emission Standards for Hazardous Air Pollutants

New Source Performance Standards

NSPS -

P -	Process Weight Rate in Tons/Hr
PE -	Particulate Emissions
PM -	Particulate Matter
PM_{10} -	Particulate Matter Under 10 Microns
PSD -	Prevention of Significant Deterioration
PTE -	Potential To Emit
RACT -	Reasonably Available Control Technology
SCC -	Source Classification Code
SCF -	Standard Cubic Feet
SIC -	Standard Industrial Classification
SO_2 -	Sulfur Dioxide
TPY -	Tons Per Year
TSP -	Total Suspended Particulate
VOC -	Volatile Organic Compounds

APPENDIX F Permit Modifications

DATE OF REVISION	TYPE OF REVISION	SECTION NUMBER, CONDITION NUMBER	DESCRIPTION OF REVISION
October 6, 2004	Minor	Info Page	Revised responsible official
		Section I	Furnace C electrode capacity increased to 1,900 kW
		Section III	Revised the permit shield language
		Section IV	Revised General Conditions to reflect current version
		App B and C	Revised to reflect current version